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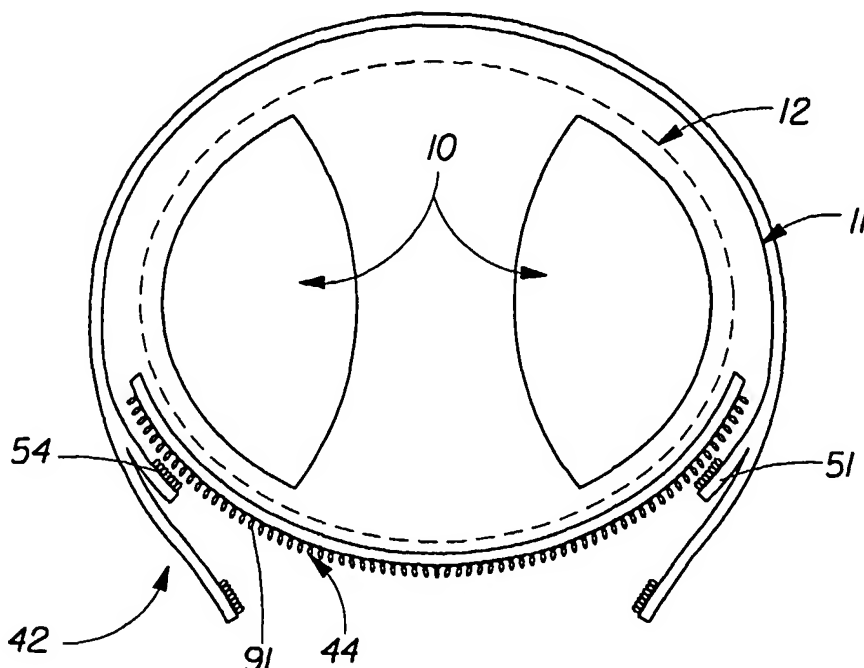
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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES,**

[Continued on next page]

(54) Title: **AN ABSORBENT ARTICLE FASTENING DEVICE**



(57) Abstract: A dual fastening device suitable for pull-up and cinch use with absorbent articles. The fastening device preferably includes a first fastening member and a second member.



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FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 062 931 A (SCA HYGIENE PROD AB) 27 December 2000 (2000-12-27) abstract; figures ---	1,5,6,9, 10
X	US 4 209 016 A (SCHAAR CHARLES H) 24 June 1980 (1980-06-24) column 5, line 35-59; figures 15-17 ---	1,5,6,9, 10
A	US 5 624 428 A (SAUER BARBARA O) 29 April 1997 (1997-04-29) abstract; figures ---	
A	WO 99 65442 A (KIMBERLY CLARK CO) 23 December 1999 (1999-12-23) figures -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1062931	A	27-12-2000	EP 1062931 A1	27-12-2000
US 4209016	A	24-06-1980	NONE	
US 5624428	A	29-04-1997	AU 7521496 A	19-06-1997
			CA 2235699 A1	05-06-1997
			WO 9719664 A1	05-06-1997
			ZA 9609571 A	02-06-1997
WO 9965442	A	23-12-1999	US 6322552 B1	27-11-2001
			AU 2325499 A	05-01-2000
			BR 9911361 A	13-03-2001
			DE 19983366 T0	10-05-2001
			GB 2360194 A ,B	19-09-2001
			WO 9965442 A1	23-12-1999